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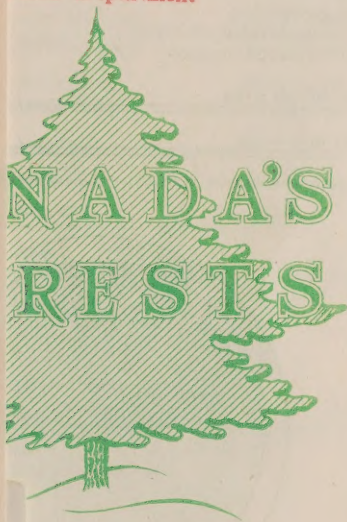


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CANADA - INDUSTRIES & RESOURCES



DEPARTMENT OF FORESTRY

ECONOMICS DIVISION

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PLEASE HELP PREVENT FOREST FIRES

FOREST AREAS

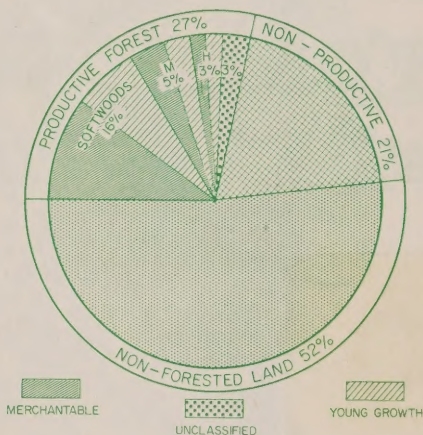
1961

Net area in millions of acres

(thousands of square miles in brackets)

	Merchantable		Young Growth		Total	
Softwoods	228	(356)	148	(231)	376	(587)
Mixedwoods	70	(109)	52	(82)	122	(191)
Hardwoods	25	(38)	35	(55)	60	(93)
Sub-total	323	(503)	237	(368)	558	(871)
Unclassified ¹					57	(89)
Total productive					615	(960)
Accessible productive					459	(718)
Non-productive forests					482	(753)
Total forest area					1,097	(1,713)
Total land area					2,279	(3,560)

¹Productive forest land not yet restocked



Note: Forests occupy 68 per cent of the land area of the ten provinces and 48 per cent of the land area of Canada.

MERCHANTABLE TIMBER

1961

Softwoods Hardwoods Total

Millions of cubic feet

Accessible	474,097	114,036	588,133
Potentially accessible	119,040	13,501	132,541
Total Volume	593,137	127,537	720,674

Accessible	Large Material (10" d.b.h. & Over)	Smaller Material (4"-9" d.b.h.)
	Millions of cubic feet	Millions of cords ¹
Softwoods	291,444	2,149
Hardwoods	53,832	788
Total	345,276	2,857

¹In units of 85 cubic feet

MERCHANTABLE TIMBER BY SPECIES



LAND TENURE - PRODUCTIVE FOREST

1961

In thousands of acres

(square miles in brackets)

Occupied Forest Lands	Net Area	
Provincial Crown		
Leases and licences	120,547	(186,355)
Permits and sales	2,785	(4,352)
Sub-total	123,332	(192,707)
Federal Crown		
Leases and licences	219	(342)
Other lands	3,225	(5,019)
Sub-total	3,444	(5,361)
Privately-owned		
Farm woodlots	22,459	(35,092)
Other private lands	33,305	(52,919)
Sub-total	55,764	(87,331)
Total Occupied Forest Lands	182,540	(285,219)
Unoccupied Forest Lands		
Provincial Crown	377,936	(590,525)
Federal Crown	54,017	(84,402)
Sub-total	431,953	(674,927)
Total Productive Forest	614,493	(960,146)

RESERVES AND PARKS

1961

In thousands of acres

(square miles in brackets)

	Gross Area	
National parks	18,739	(29,280)
Provincial and municipal parks	37,730	(58,951)
Indian reserves	5,917	(9,246)
Federal forest experiment stations ¹	68	(106)
Total	62,454	(97,583)

¹ Excludes an additional experiment station of 16,000 acres, or 25 square miles, in a national park.

FOREST INDUSTRIES

1959

Values in millions of dollars

Employment	No. of Employees	Salaries and Wages
Woods operations ¹	82,551 ²	348
Pulp and paper industry	65,028	322
Lumber industry	48,659	145
Wood-using industries	75,132	243
Paper-using industries	29,293	188
Total	300,573	1,166

Value of Products	Net Value ³	Gross Value
Woods operations	659	716
Pulp and paper industry	761	1,498
Lumber industry	249	572
Wood-using industries	396	856
Paper-using industries	219	531
Total	2,284	

Net Value of Products by Provinces

	Value	%
Newfoundland	53	2.3
Prince Edward Island	2	0.1
Nova Scotia	43	1.9
New Brunswick	91	4.0
Quebec	702	30.7
Ontario	631	27.6
Manitoba	42	1.9
Saskatchewan	12	0.5
Alberta	62	2.7
British Columbia ⁴	646	28.3
Total	2,284	100.0

¹ Excludes transportation - not comparable with previous years.

² Man-year basis.

³ Net value of products is gross or sale value, less cost of materials, fuel, purchased electricity, and process supplies consumed.

⁴ Includes Yukon and Northwest Territories.

FOREST FIRE STATISTICS

	Average Annual 1950-59	Year 1960
Thousands of acres		
Areas Burned		
Merchantable timber	109	427
Young growth	386	498
Cut-over lands	362	198
Non-forested lands	1,036	491
Total	2,093	1,616

Fire by Causes	Number	%	Number	%
Smokers	1,039	18.4	1,182	13.3
Campfires	844	14.9	1,014	11.4
Railways	796	14.1	2,014	22.7
Settlers	539	9.5	507	5.7
Miscellaneous known	565	10.0	680	7.7
Industrial operations	280	4.9	142	3.9
Incendiary	156	2.8	102	3.4
Public works	103	1.8	102	1.1
Lightning	1,077	19.1	2,256	25.4
Unknown	252	4.5	882	5.4
Total	5,851	100.0	8,881	100.0

Merchantable Timber Burned	Thousands of cubic feet	
Large material	109,191	159,646
Smaller material	165,814	209,910
Total	275,005	369,606

Estimated Values Destroyed	Thousands of dollars	
On forest areas ¹	5,392	9,738
Other property	965	672

¹Based on stumpage rates; figures do not include damage to soil, stream-flow, wildlife, recreation and tourist facilities, or the enhanced values resulting from silviculture and management practices.

Costs of Protection	\$000's
Costs of fire fighting (1960)	9,204
Other fire protection costs (1959)	24,775

FOREST DEPLETION

	Average Annual 1950-59	Year 1960
M. cu.ft. % M. cu.ft. %		
Products Utilized		
Industrial Wood		
Logs and bolts		
Domestic use	1,511,938	47.5 1,714,100 ² 50.2
Export	7,863	0.2 5,900 0.2
Pulpwood		
Domestic use	1,119,119	35.2 1,304,600 38.2
Export	160,186	5.0 97,990 2.9
Poles and piling	21,537	0.7 17,300 0.5
Round mining timber	21,910	0.7 8,500 0.2
Other primary products	18,318	0.6 22,400 0.7
Total Industrial Wood	2,860,871	89.9 3,170,700 92.9
Non-industrial wood ³	321,358	10.1 242,890 7.1
Total Utilization	3,182,229	100.0 3,413,590 100.0
Wastage by forest fires	275,005	369,600
Depletion ⁴	3,457,234	3,783,190

¹ Preliminary estimate

² Includes logs for pulping

³ Fuelwood and wood for charcoal

⁴ The figure for depletion does not include wastage caused by agencies other than fire, such as insects, diseases, and natural mortality, for which no reliable estimates are available. It represents an average annual depletion of 8 cubic feet per acre on the accessible productive forest area. However, a much higher rate of depletion occurs on the more accessible occupied productive forest lands.

EXTERNAL TRADE

Balance of Trade (excluding gold)
in millions of dollars

Wood, Wood Products and Paper


	1959	1960	1959	1960
* 1,021 U.S.A.*	1,031	Lumber	* 287	* 316
* 124 U.K.	* 170	Woodpulp	* 302	* 316
* 101 Others	* 128	Newsprint	* 722	* 750
		Other products	- 65	- 61
* 1,246	* 1,329	Sub-total	* 1,246	* 1,329

Other Commodities

Agricultural products	* 188	* 191
Animals and animal products	* 212	* 180
Fibres, textiles and textile products	- 392	- 380
Iron and its products	- 1,468	- 1,177
Non-ferrous metals and their products	* 661	* 772
Non-metallic minerals and their products	- 404	- 326
Chemicals and allied products	- 121	- 95
Miscellaneous commodities	- 291	- 345
Sub-total	- 1,615	- 1,426
Commodity Trade Balance	- 369	- 97

Note: Figures given in this table are obtained by comparing the value of domestic and foreign exports with the value of imports. They exclude "Special Transactions-Non Trade", comprising various commodity movements which either have no financial implications or, for various reasons, are better considered separately from merchandise trade.

Net exports of non-monetary gold	148	162
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